

Experiment Number: 692367

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Fatty acids, C5-10, esters with polyphosphorylcholine

CAS Number: 68915-66-2

Date Report Requested: 09/11/2018

Time Report Requested: 17:42:49

NTP Study Number:

692367

Study Result:

Negative

Experiment Number: 692367

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Fatty acids, C5-10, esters with polyentaerythritol
CAS Number: 68915-66-2

Date Report Requested: 09/11/2018

Time Report Requested: 17:42:49

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	166 ± 11.9	111 ± 5.2	111 ± 7.9	187 ± 8.7	105 ± 3.2
3.3	157 ± 2.6				
10.0	166 ± 15.5	100 ± 2.9		177 ± 8.1	
33.0	158 ± 3.2	108 ± 2.7		162 ± 4.0	
100.0	169 ± 5.5 ^p	97 ± 1.2 ^p	112 ± 9.0	183 ± 7.8	97 ± 1.5
333.0	160 ± 1.9 ^p	101 ± 3.7 ^p	104 ± 9.4 ^p	186 ± 7.3	120 ± 9.2
1000.0		112 ± 7.7 ^p	112 ± 3.4 ^p	181 ± 13.5 ^p	100 ± 8.0 ^p
3333.0			103 ± 11.9 ^p		107 ± 3.8 ^p
10000.0			105 ± 5.5 ^p		105 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					428 ± 27.6
Positive Control ³	385 ± 5.1	279 ± 9.7			
Positive Control ⁴			664 ± 20.0		
Positive Control ⁵					
Positive Control ⁶				1369 ± 96.3	

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Test Compound: Fatty acids, C5-10, esters with polyphosphatidylcholine
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Date Report Requested: 09/11/2018

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	162 ± 10.3
3.3	
10.0	158 ± 4.2
33.0	156 ± 7.5
100.0	163 ± 7.7
333.0	164 ± 4.1
1000.0	172 ± 10.1 ^P
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	795 ± 23.1
Positive Control ⁶	

Experiment Number: 692367

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Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Fatty acids, C5-10, esters with polyphosphatidylethanolamine
CAS Number: 68915-66-2

Time Report Requested: 17:42:49

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2	8 ± 0.6	16 ± 2.7	15 ± 2.0	9 ± 1.5
10.0	11 ± 0.7	13 ± 2.3			
33.0	10 ± 1.5	10 ± 2.3			
100.0	10 ± 0.9 ^P	11 ± 2.6 ^P	15 ± 2.6	15 ± 1.2	9 ± 1.5
333.0	12 ± 0.3 ^P	13 ± 4.3 ^P	10 ± 1.7 ^P	13 ± 2.8 ^P	10 ± 1.5 ^P
1000.0	12 ± 2.5 ^P	10 ± 2.4 ^P	14 ± 2.4 ^P	14 ± 0.6 ^P	12 ± 0.6 ^P
3333.0			10 ± 0.6 ^P	13 ± 0.9 ^P	9 ± 1.8 ^P
10000.0			11 ± 0.9 ^P	16 ± 2.1 ^P	8 ± 0.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					35 ± 1.0
Positive Control ³	197 ± 12.0	185 ± 1.8			
Positive Control ⁵					
Positive Control ⁶			93 ± 13.5	92 ± 6.1	

Experiment Number: 692367

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Fatty acids, C5-10, esters with polyphosphorylcholine
CAS Number: 68915-66-2

Date Report Requested: 09/11/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.0
10.0	
33.0	
100.0	9 ± 2.6
333.0	11 ± 0.9 ^p
1000.0	12 ± 0.3 ^p
3333.0	11 ± 1.5 ^p
10000.0	11 ± 2.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	53 ± 4.9
Positive Control ⁶	

Experiment Number: 692367

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Fatty acids, C5-10, esters with polyentaerythritol
CAS Number: 68915-66-2

Time Report Requested: 17:42:49

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	185 ± 13.7	144 ± 9.7	191 ± 1.5	190 ± 10.7	172 ± 11.2
10.0	191 ± 0.9	148 ± 9.1			
33.0	179 ± 7.3	147 ± 2.6		204 ± 6.9	
100.0	193 ± 3.9	143 ± 6.4 ^P	177 ± 7.8	210 ± 11.0	152 ± 11.4
333.0	200 ± 7.8 ^P	137 ± 9.4 ^P	162 ± 10.9 ^P	187 ± 10.8 ^P	138 ± 5.8 ^P
1000.0	197 ± 14.8 ^P	150 ± 4.5 ^P	166 ± 6.2 ^P	200 ± 8.1 ^P	137 ± 3.1 ^P
3333.0			174 ± 5.7 ^P	197 ± 8.5 ^P	170 ± 7.1 ^P
10000.0			169 ± 10.8 ^P		161 ± 5.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1392 ± 40.5
Positive Control ⁶			1396 ± 159.5	778 ± 47.3	
Positive Control ⁷	574 ± 17.3	367 ± 41.9			

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Test Compound: Fatty acids, C5-10, esters with polyphosphorylcholine
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	237 ± 16.0
10.0	
33.0	
100.0	232 ± 17.5
333.0	233 ± 7.3
1000.0	236 ± 10.6 ^P
3333.0	242 ± 10.2 ^P
10000.0	233 ± 7.7 ^P
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	1691 ± 63.3
Positive Control ⁷	

Experiment Number: 692367

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Fatty acids, C5-10, esters with polyentaerythritol
CAS Number: 68915-66-2

Date Report Requested: 09/11/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.2	23 ± 3.5	29 ± 2.3	27 ± 3.2	21 ± 2.3
3.3	29 ± 4.0				
10.0	29 ± 2.6	28 ± 1.7		29 ± 3.8	
33.0	22 ± 2.5	22 ± 2.3		29 ± 3.3	
100.0	22 ± 2.0 ^p	24 ± 1.3 ^p	30 ± 2.2	26 ± 1.5	27 ± 3.1
333.0	25 ± 2.1 ^p	22 ± 2.8 ^p	29 ± 0.3 ^p	27 ± 2.9	29 ± 3.5 ^p
1000.0		21 ± 2.6 ^p	31 ± 1.2 ^p	27 ± 1.8 ^p	22 ± 2.0 ^p
3333.0			26 ± 1.2 ^p		29 ± 2.3 ^p
10000.0			28 ± 2.8 ^p		30 ± 2.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			140 ± 10.1		363 ± 33.4
Positive Control ⁵				421 ± 18.8	
Positive Control ⁸	360 ± 13.0	336 ± 9.7			

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Test Compound: Fatty acids, C5-10, esters with polyphosphorylcholine
CAS Number: 68915-66-2

Date Report Requested: 09/11/2018

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 1.3
3.3	
10.0	33 ± 1.0
33.0	28 ± 3.8
100.0	28 ± 2.3
333.0	29 ± 3.2
1000.0	32 ± 4.2 ^p
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	547 ± 8.1
Positive Control ⁸	

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Test Compound: Fatty acids, C5-10, esters with polyphosphorylserine
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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: 100% Ethanol

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****